

WA 2314
no date

15b

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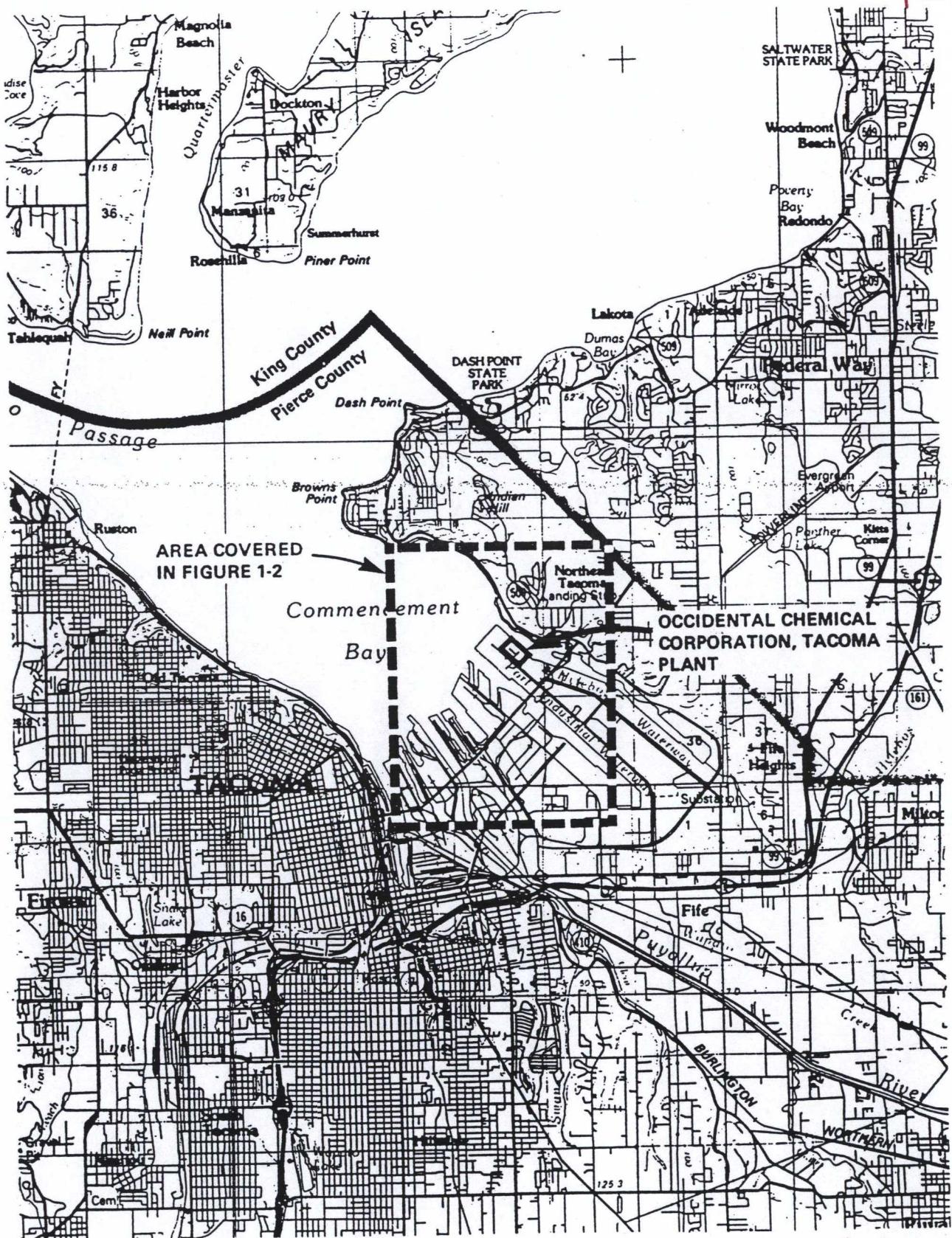
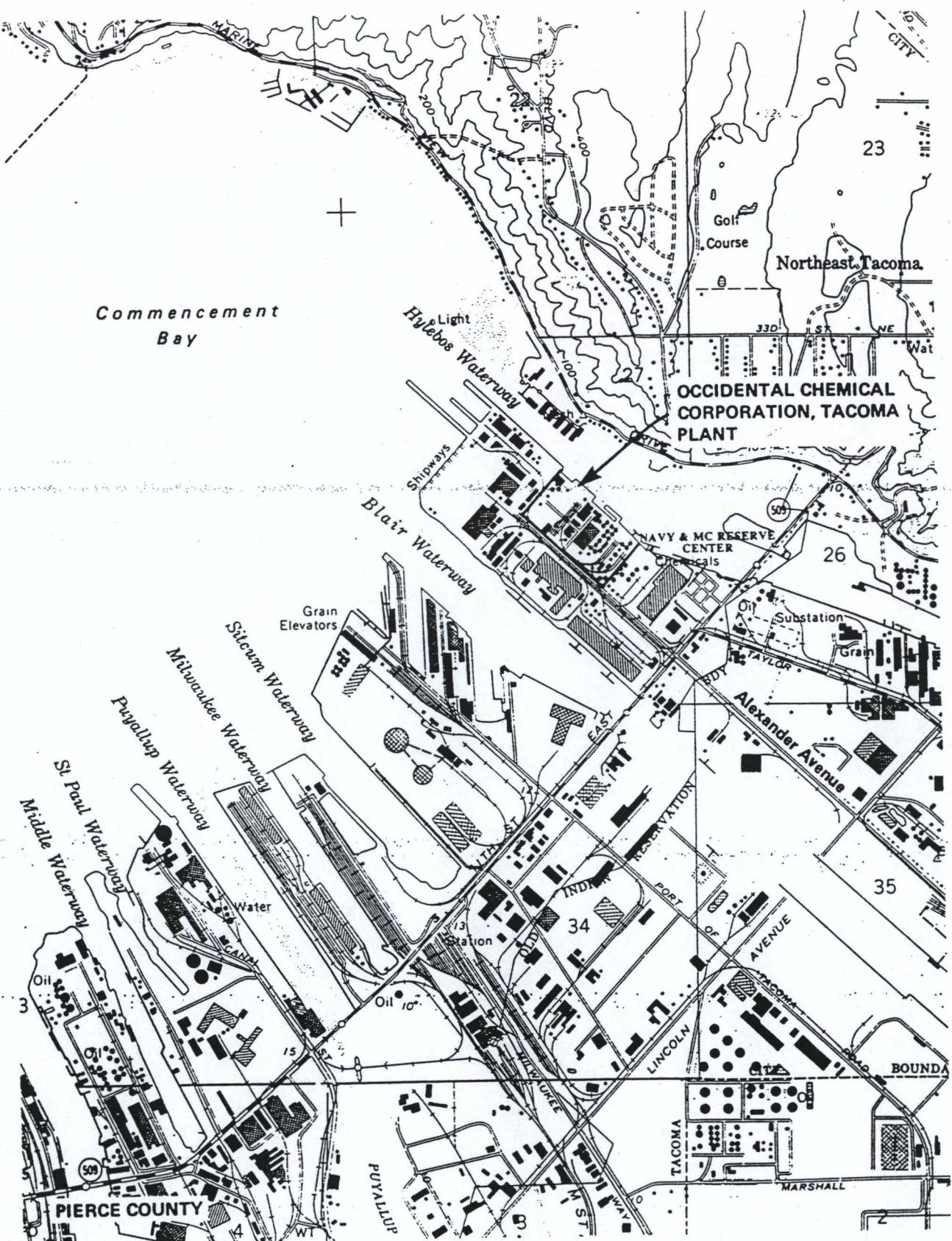


FIGURE 1-1
TACOMA VICINITY MAP
Occidental Chemical Corporation
Tacoma, WA

USEPA RCRA





Source: USGS
Tacoma Quadrangle
Washington
1:100 000-Scale Series
(Topographic) 1975



0 1000 2000 3000
SCALE IN FEET

1 - 4

FIGURE 1-2
PORT OF TACOMA
VICINITY MAP
Occidental Chemical Corporation
Tacoma, WA

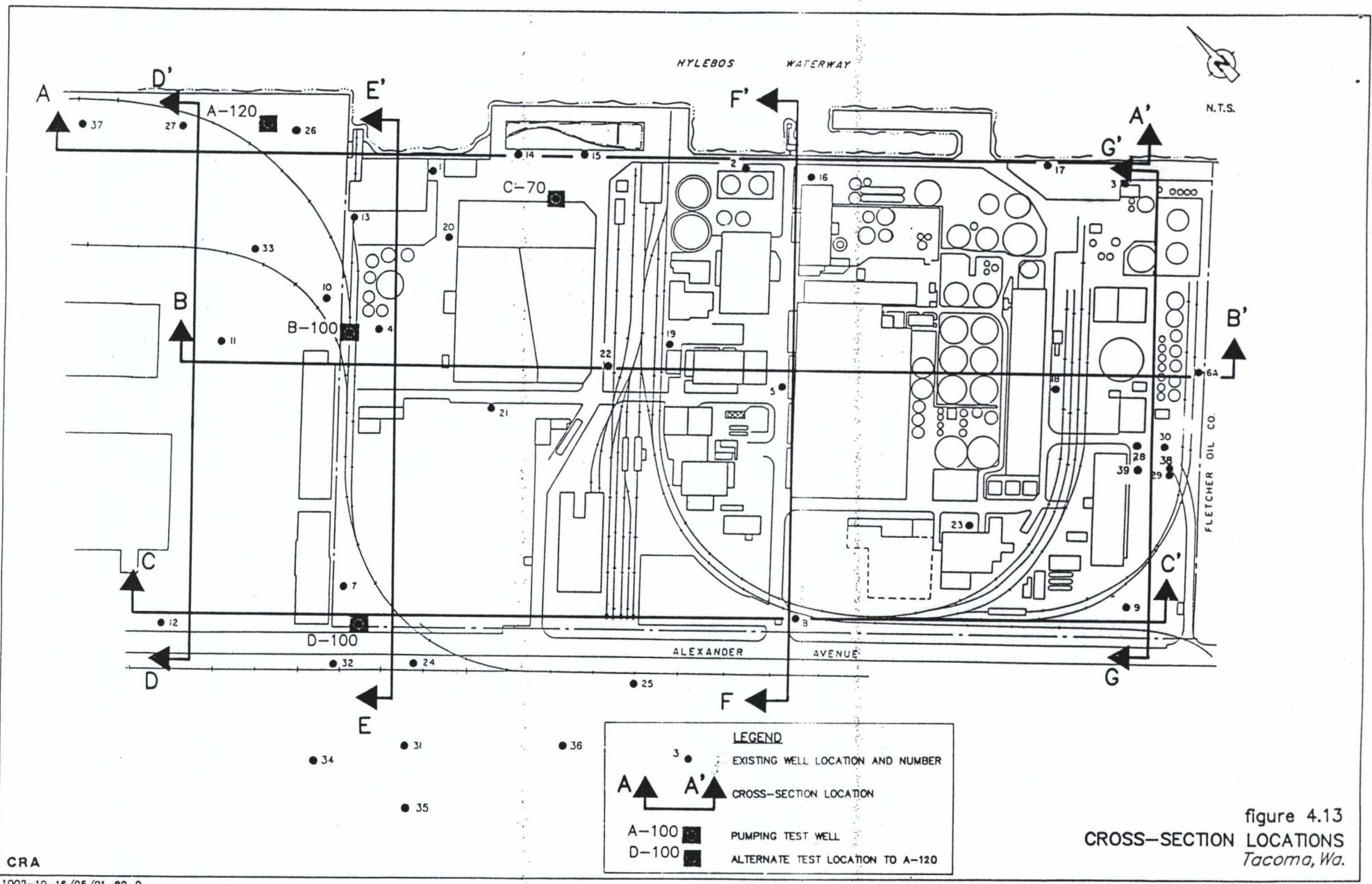
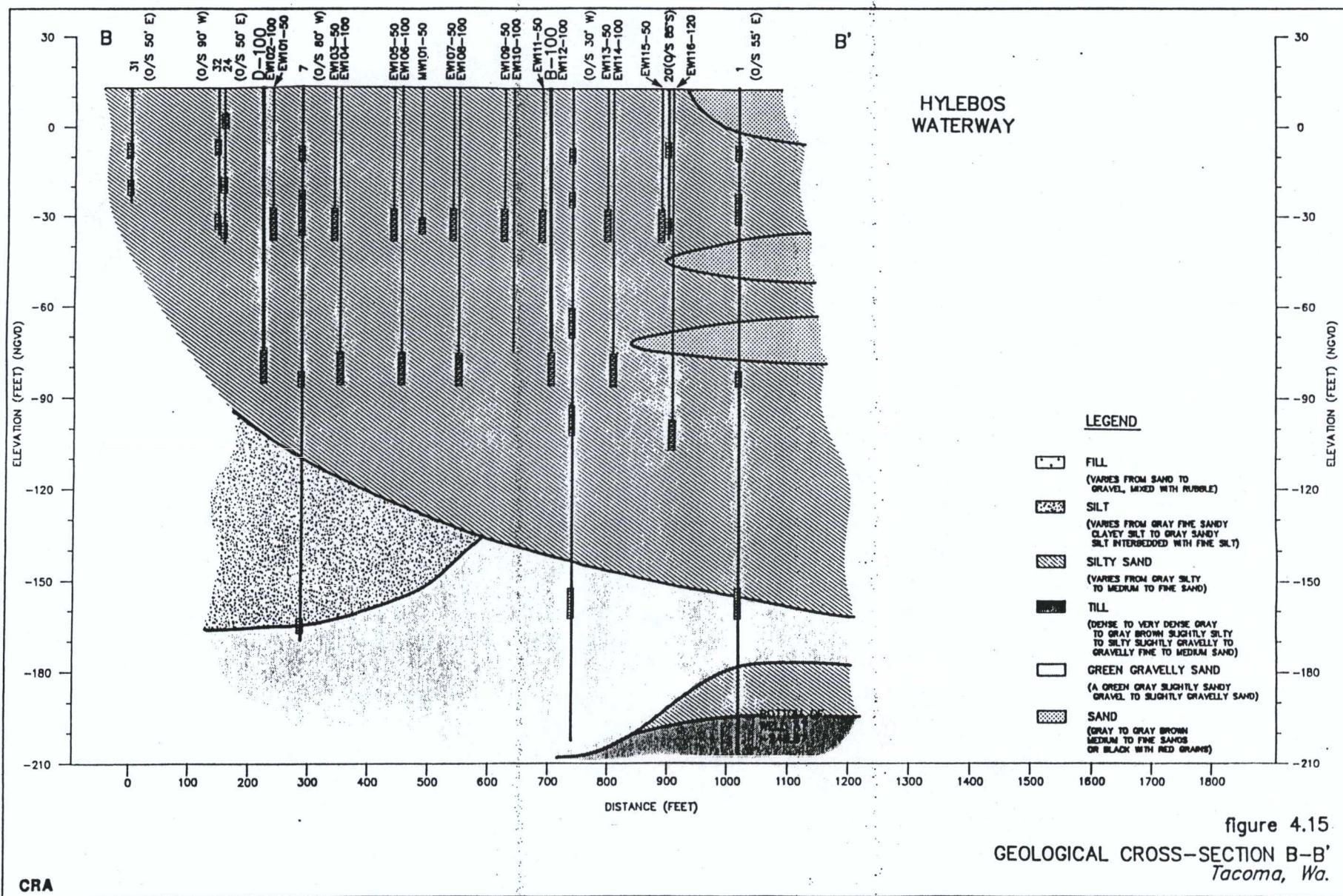


figure 4.13



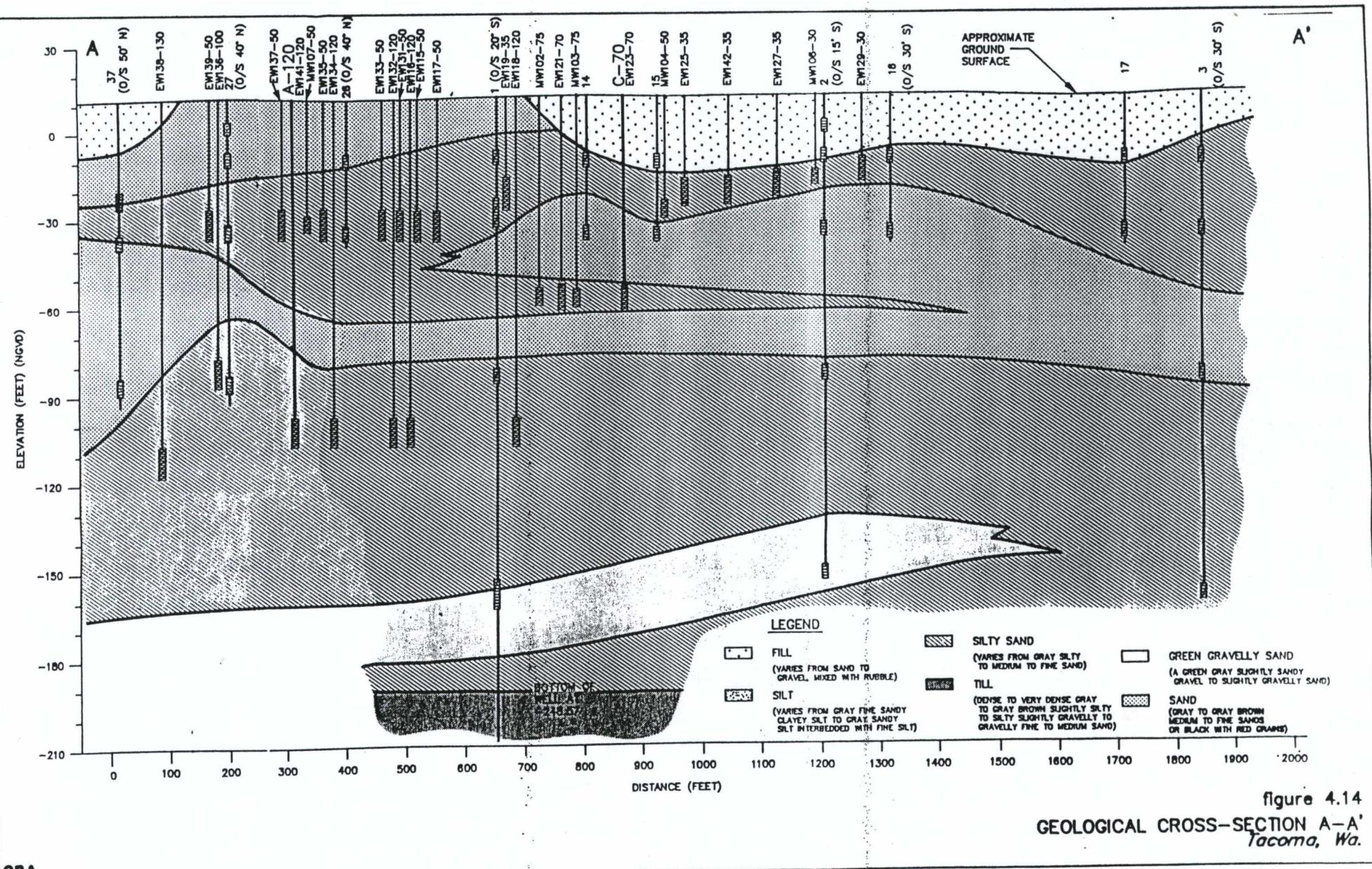


figure 4.14
GEOLOGICAL CROSS-SECTION A-A'
Tacoma, Wa.

TABLE 2.2
SITE SPECIFIC PARAMETER LIST
OXYCHEM TACOMA PLANT

Vinyl Chloride
Methylene Chloride
1,1-Dichloroethylene
Trans-1,2-Dichloroethene
Chloroform
Carbon Tetrachloride
Trichloroethylene
1,1,2-Trichloroethane
1,1,2,2-Tetrachloroethane
Tetrachloroethylene

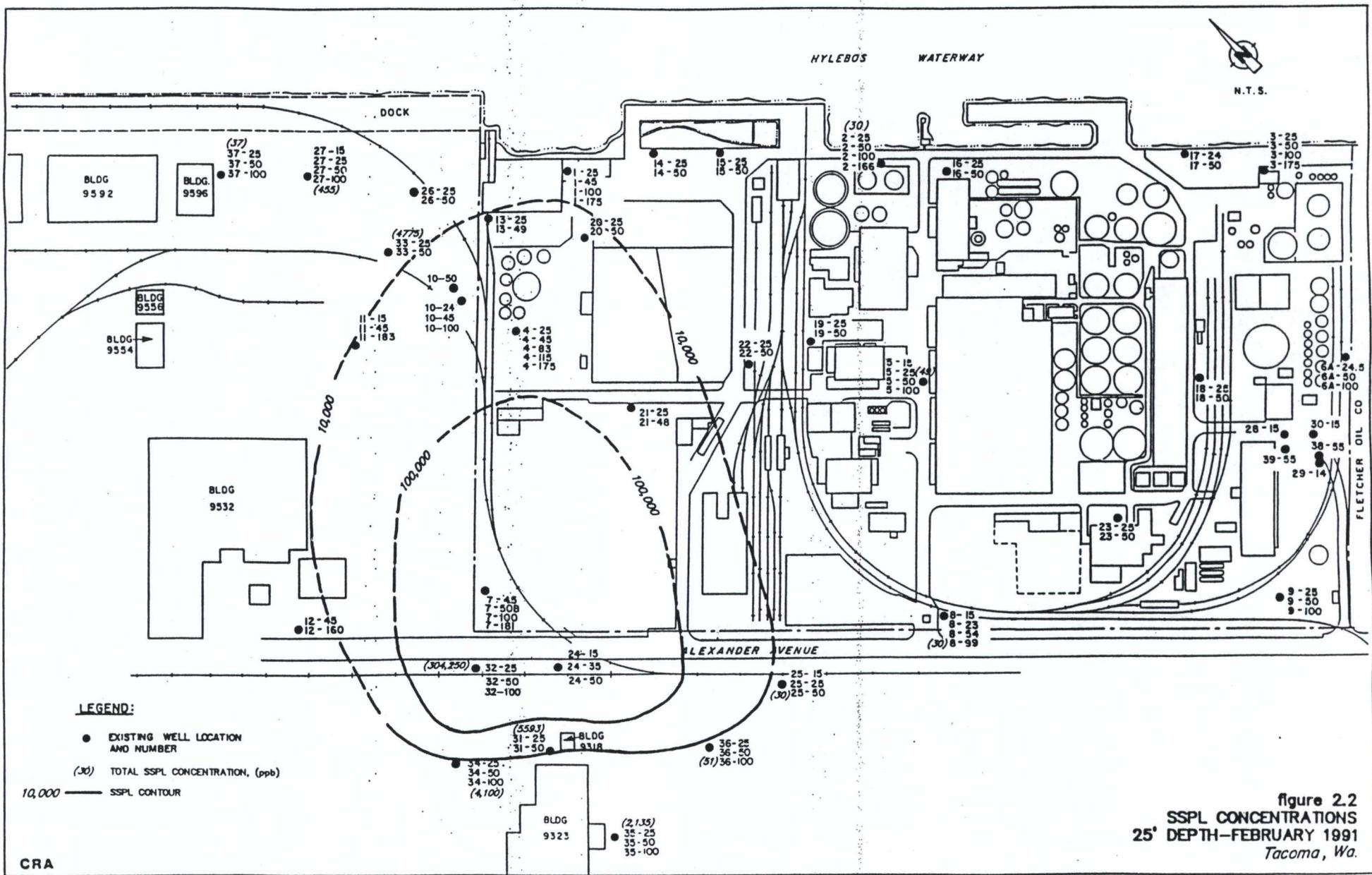


figure 2.2
SSPL CONCENTRATIONS
25' DEPTH—FEBRUARY 1991
Tacoma, Wa.

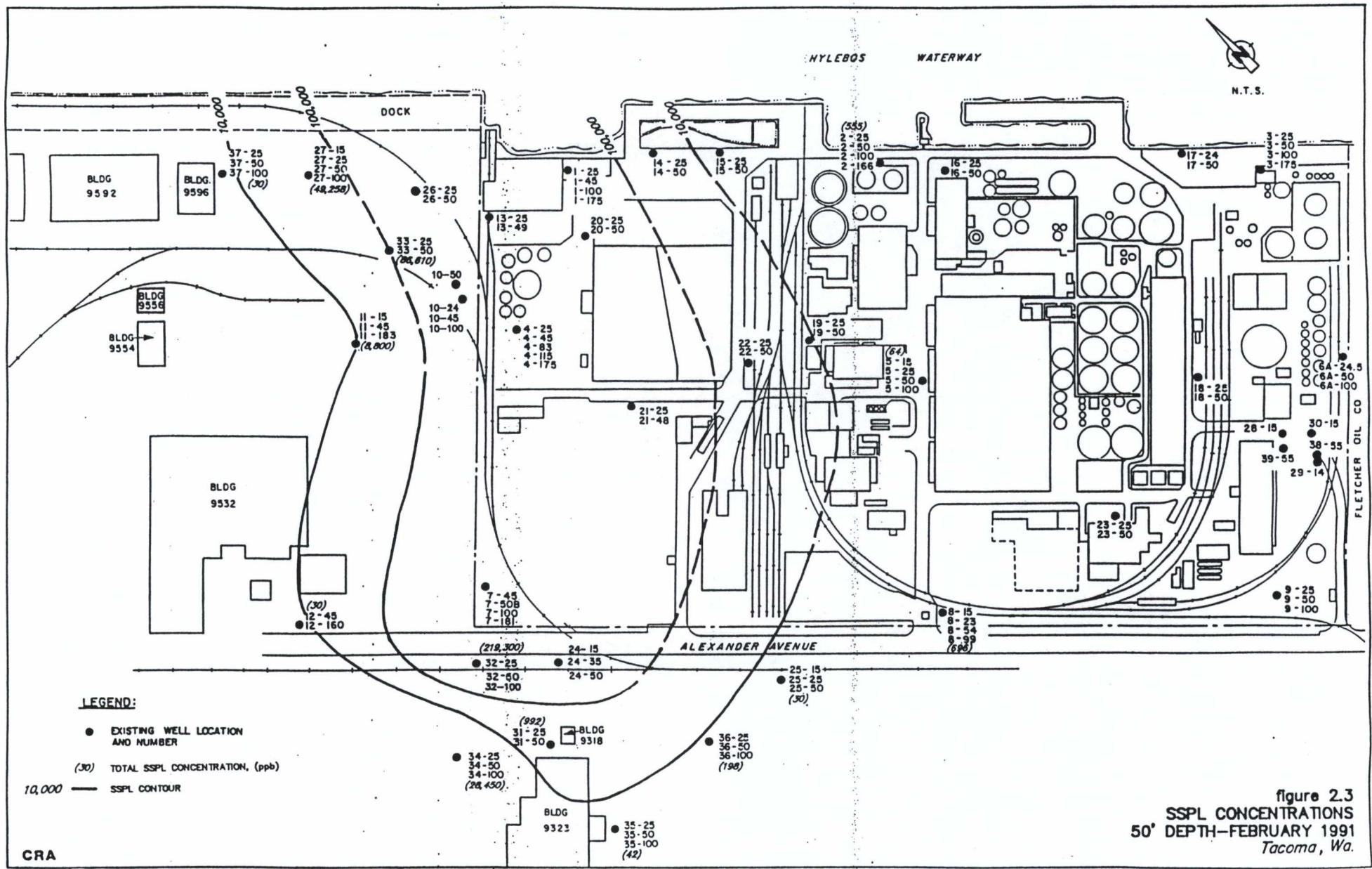
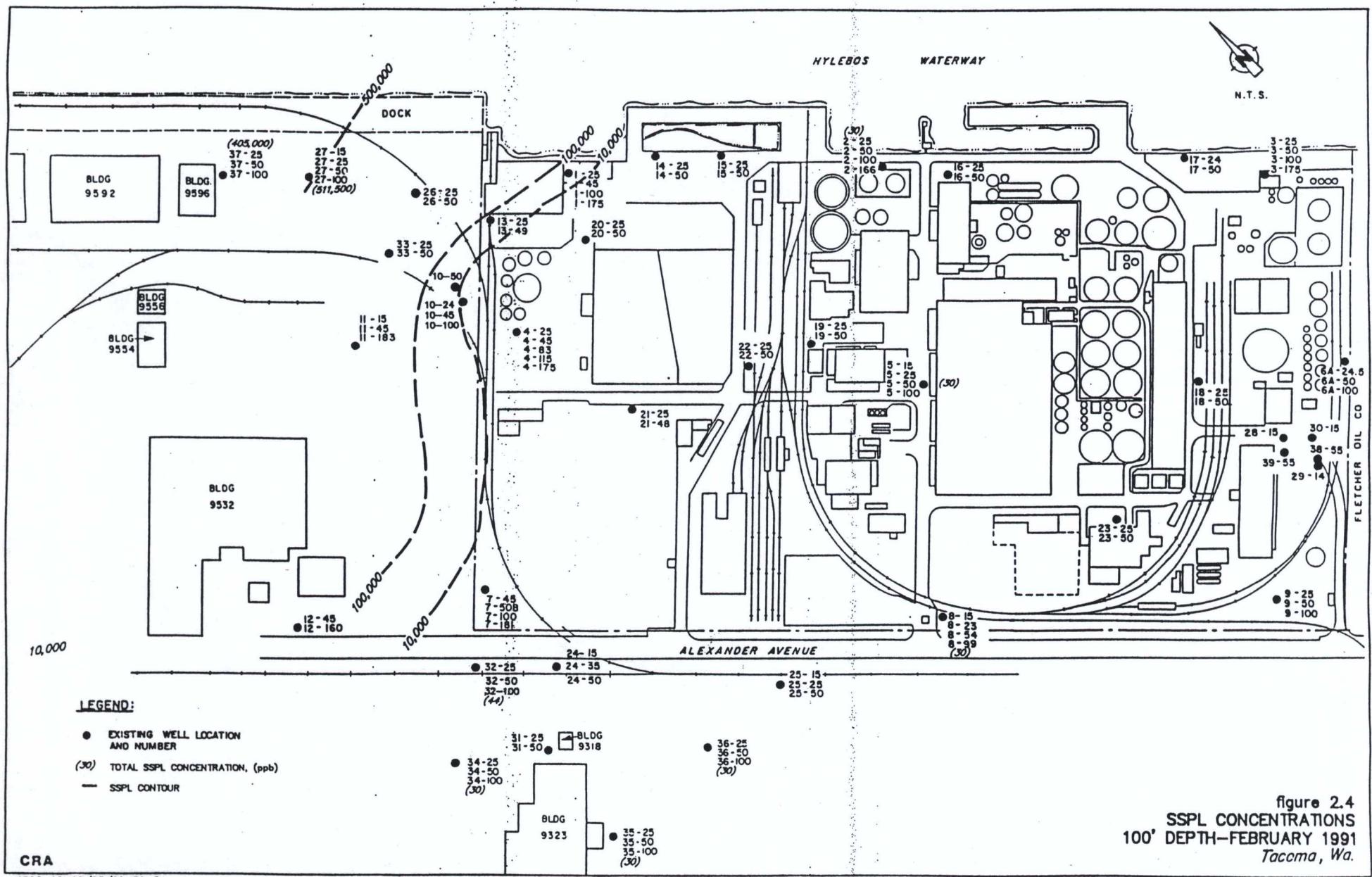
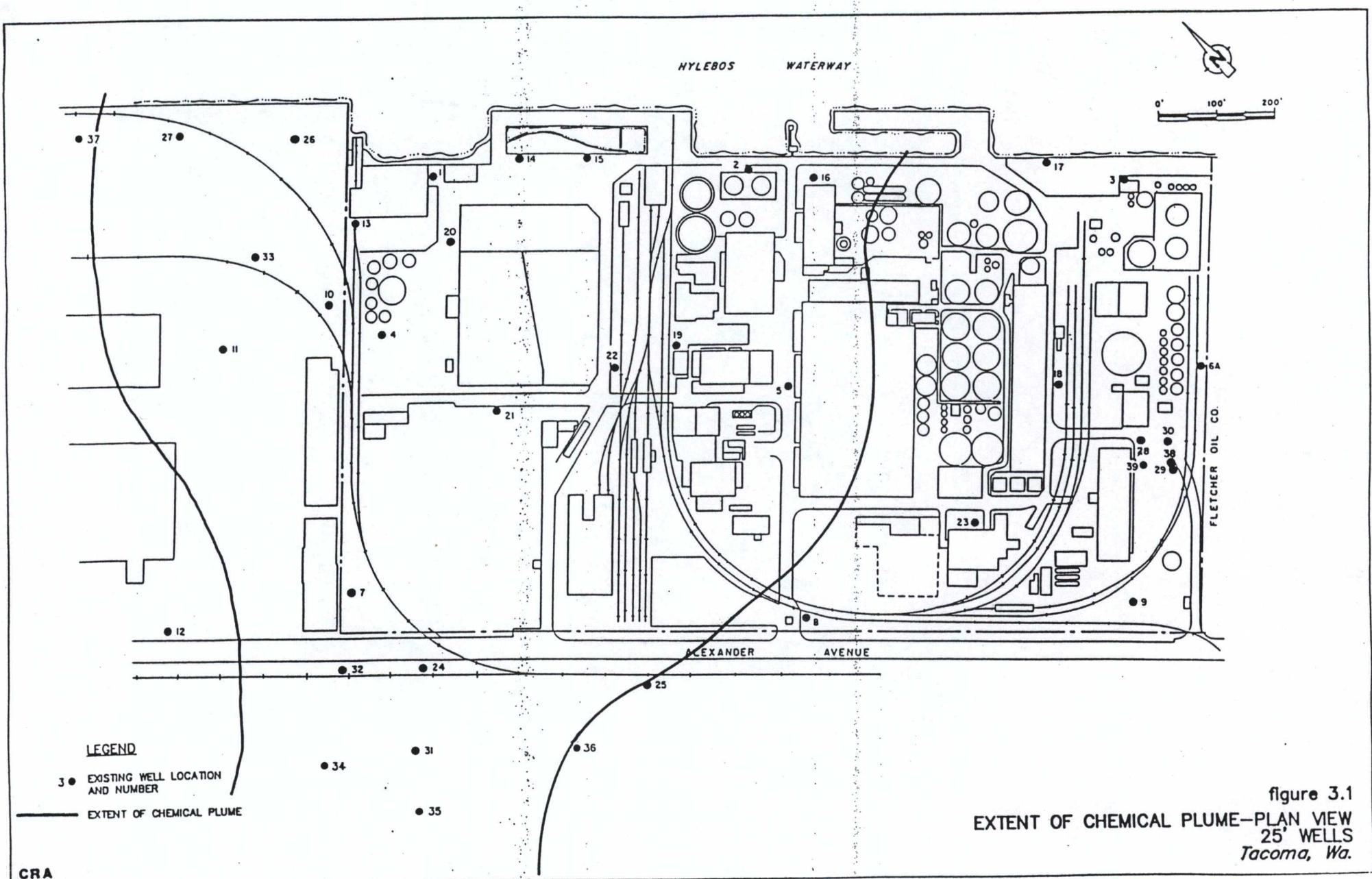


figure 2.3
SSPL CONCENTRATIONS
50' DEPTH—FEBRUARY 1991
Tacoma, Wa.





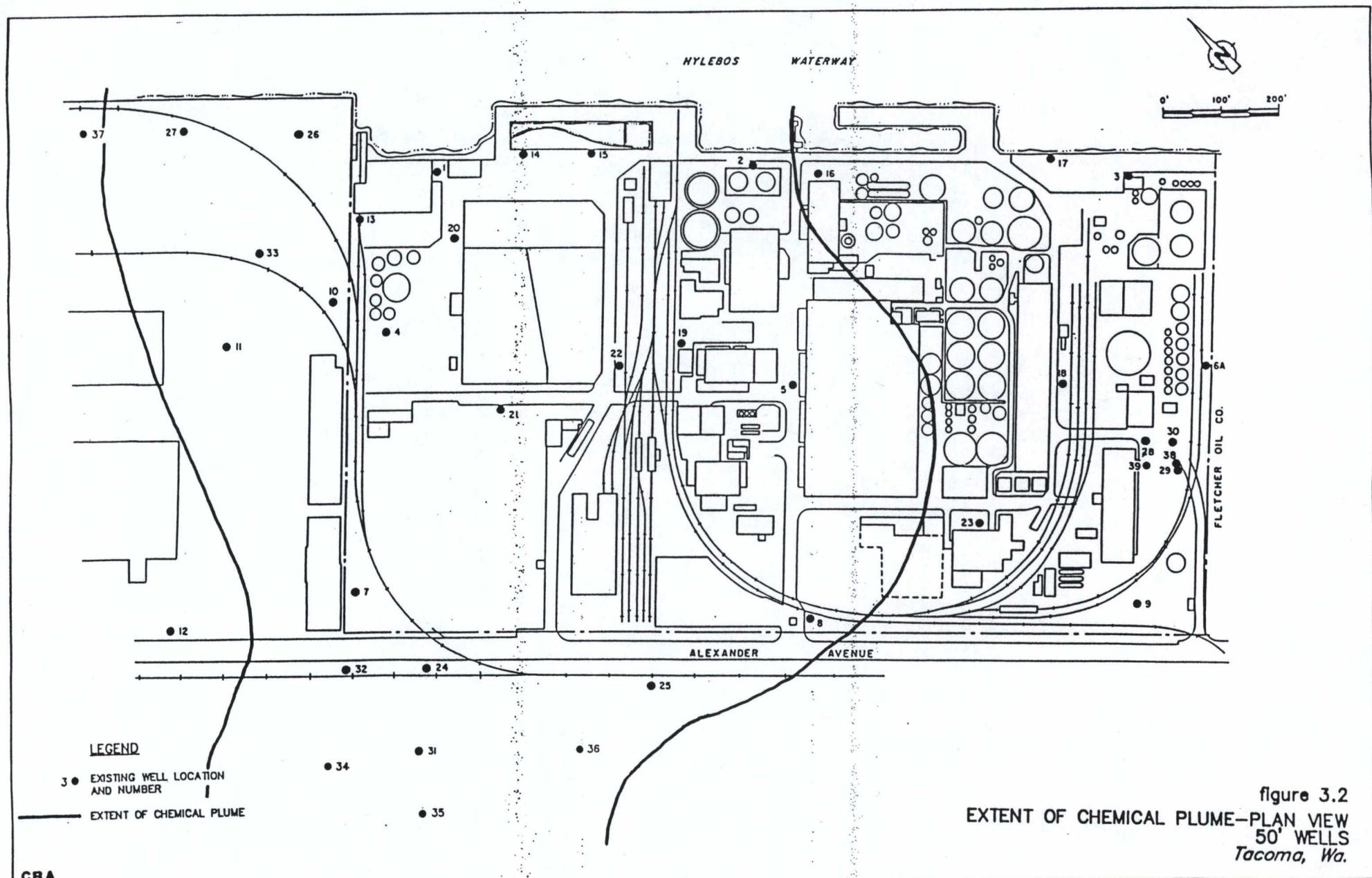
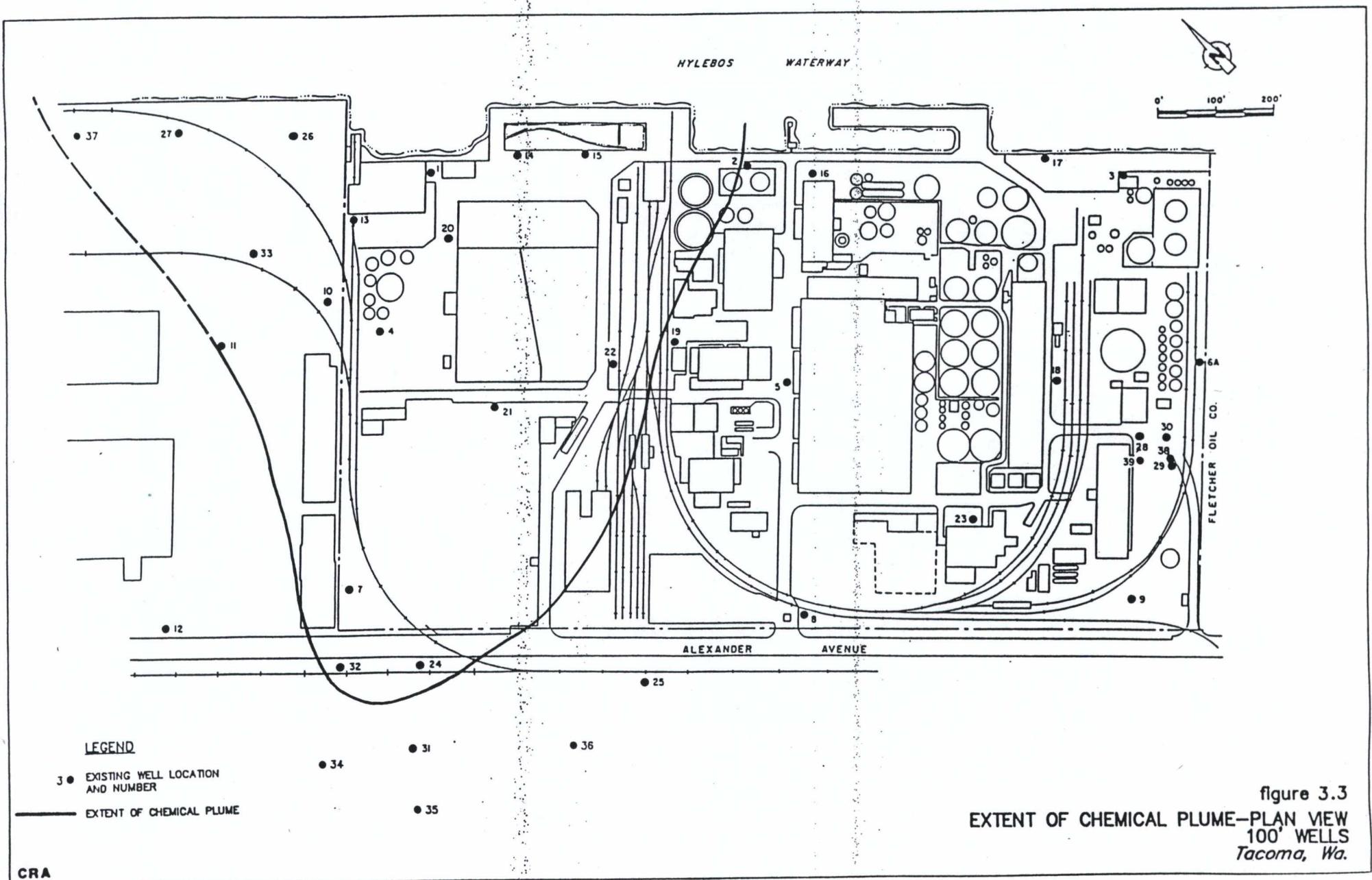


figure 3.2
EXTENT OF CHEMICAL PLUME—PLAN VIEW
50' WELLS
Tacoma, Wa.



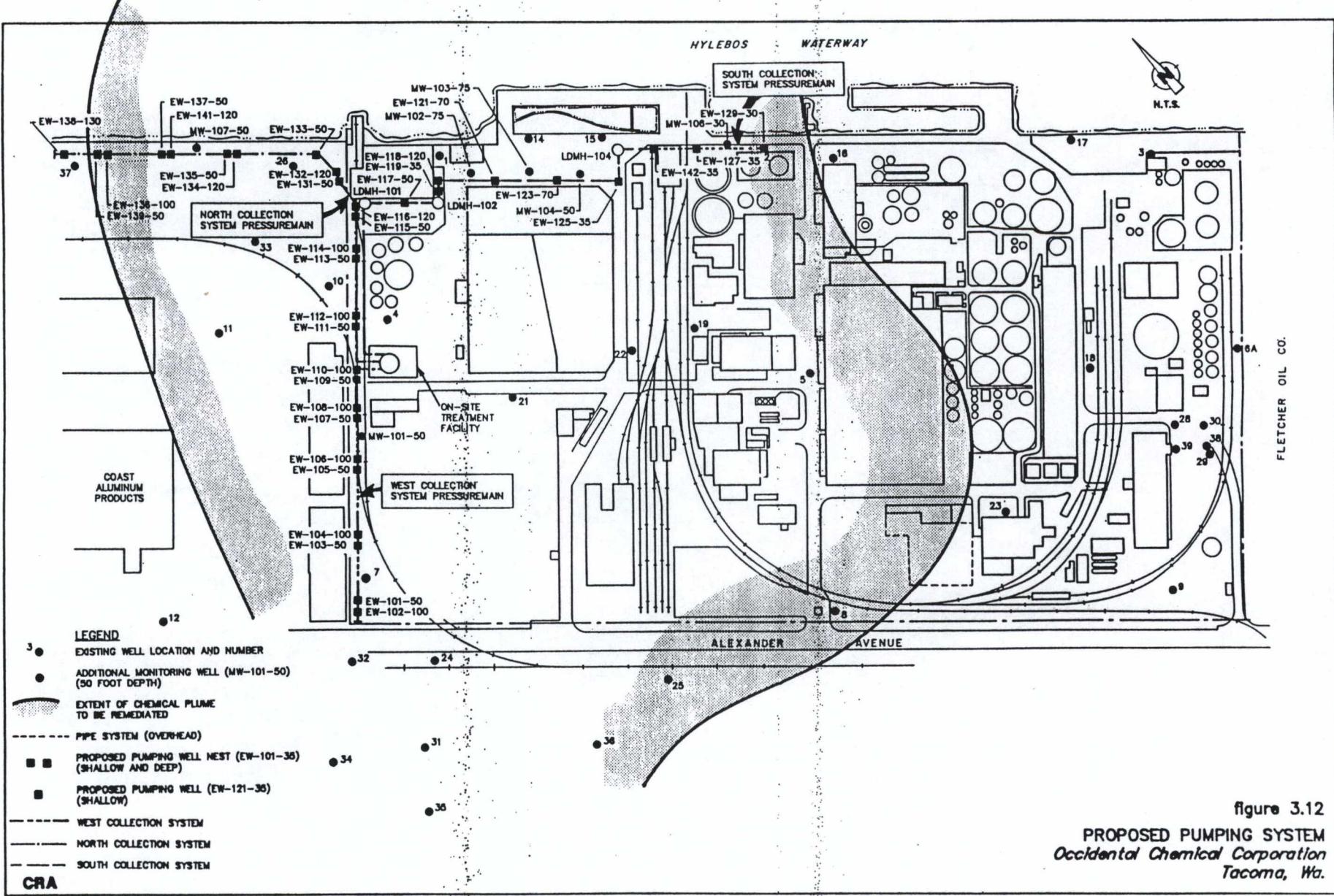


TABLE 9.1
MONITORING

(A) WATER QUALITY

<i>Well #</i>	<i>Location Importance</i>	<i>First Year</i>	<i>Long Term</i>
<i>Extraction Wells</i>		monthly	Q (quarterly)
1 - 25 - 45 - 100 - 175	beside waterway, inside plume.	Q	Q
2 - 25 - 50 - 100 - 166	beside waterway, inside plume. below plume.	Q	Q
3 - 175		SA	SA (semi-annually)
4 - 25 - 45 - 83 - 115 - 175	inside plume, near extraction wells.	Q	SA
5 - 15 - 25 - 50 - 100	inside plume. below plume.	SA	SA
7 - 25 - 50 - 100 - 181	inside plume, near extraction wells. below plume.	Q	SA
8 - 15 - 23 - 54 - 99	inside plume. below plume.	SA	SA
10 - 24 - 45 - 50 - 100	inside plume, near extraction wells, off site.	Q	SA
11 - 15 - 45 - 100 (new) - 183	inside plume, off site. ?	SA Q SA	SA ? SA
12 - 45 - 160	outside plume, off site.	SA	SA

TABLE 9.1
MONITORING

<i>Well #</i>	<i>Location Importance</i>	<i>First Year</i>	<i>Long Term</i>
13 - 25 - 49	Inside plume, near extraction wells.	Q	SA
14 - 25 50	inside plume, beside waterway, near extraction wells..	Q	Q
15 - 25 50	inside plume, beside waterway, near extraction wells.	Q	Q
16 - 25 - 50	inside plume, beside waterway.	Q	Q
17 - 24 - 50	first wells, outside plume.	SA	SA
18 - 25 - 50	first wells, outside plume.	SA	SA
19 - 25 50	inside plume.	SA	SA
20 - 25 - 50	inside plume, near extraction wells.	Q	SA
21 - 25 - 48	inside plume.	SA	SA
22 - 25 - 50	inside plume.	SA	SA
23 - 25 - 50	first wells outside plume.	SA	SA
24 - 15 - 35 - 50	inside plume, off site.	Q	SA
25 - 15 - 25 - 50	inside plume, off site.	Q	SA
26 - 25 - 50	inside plume, off site.	Q	SA
27 - 15 - 25 - 50 - 100	beside waterway, inside plume, off site.	Q	SA

TABLE 9.1
MONITORING

<i>Well #</i>	<i>Location Importance</i>	<i>First Year</i>	<i>Long Term</i>
31 - 25	inside plume, off site.	Q	SA
- 50			
32 - 25	inside plume, off site.	Q	SA
- 50			
33 - 25	inside plume, off site.	Q	SA
- 50			
- 100 (new) -----	?	----- Q -----	?
34 - 25	inside plume, off site.	Q	?
- 50			
100			
35 - 25	inside plume, off site.	Q	?
- 50			
- 100			
36 - 25	inside plume, off site.	Q	SA
- 50			
- 100			
37 - 25	inside plume, beside waterway, off site.	Q	?
- 50			
- 100			
- 150 (new) -----	?	----- Q -----	?
40 - 50 (new)	off site.	Q	?
100 (new)			
- 150 (new)			
41 - 50 (new)	beside waterway, off site.	Q	?
- 100 (new)			
- 150 (new)			
42 - 25 (new)	off site.	Q	?
- 50 (new)			
43 - 25 (new)	off site.	Q	?
- 50 (new)			
44 - 25 (new)	off site.	Q	?
- 50 (new)			
45 - 50 (new)	off site south of cluster 8.	Q	?
46 - 50 (new)	off site south of cluster 8.	Q	?

TABLE 9.1
MONITORING

Comments and sampling frequency apply to all wells in the cluster unless otherwise noted.

This listing should be reviewed annually

- A) to insure that undesirable changes have not occurred due to the extraction system;
- B) to insure that the extraction system is not drawing in other sources;
- C) for changes in monitoring made necessary by expansion of the extraction system due to pumping or more wells;
- D) for changes in the monitoring made necessary by further knowledge of where the plume is located, movement of the plume, or progress in clean up;
- E) etc.

Criteria that might be used to eliminate a monitoring well from water quality monitoring would be the location of its screen near the same screened interval of an extraction well. Based on the maps that are available in the plan, the following wells may be candidates for this consideration after the extraction wells have been installed and their locations accurately surveyed.

1 - 45, 1 - 100,
2 - 50, 2 - 100,
4 - 45, 4 - 83, 4 - 115,
7 - 50B, 7 - 100,
10 - 45 and - 50,
13 - 49,
14 - 50,
15 - 50,
20 - 50,
26 - 50,
27 - 50, 27 - 100
37 - 50, and 37 - 100.

(B) WATER LEVEL

All monitoring wells except those to be abandoned per Table 9.2 should be monitored for water levels monthly during the first year and to coincide with a sampling event for water quality after the first year.